

Title (en)

Granulation-free ecological plate high-pressure decorative surface material and manufacturing method thereof

Title (de)

Körnungsfreies ökologisches Hochdruckplattenmaterial mit dekorativer Oberfläche, und Verfahren zur Herstellung davon

Title (fr)

Matériau écologique en plaque haute pression sans granulation et à surface décorative, et son procédé de fabrication

Publication

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Application

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Abstract (en)

The invention belongs to the field of building decorative materials, and in particular relates to a granulation-free ecological plate high-pressure decorative surface material and a manufacturing method thereof. The granulation-free ecological plate high-pressure decorative surface material comprises a bottom paper layer, a core paper layer, a decorative paper layer and a surface paper layer which are sequentially arranged in this order, wherein a releasing agent coating is coated on a surface of the bottom paper layer opposite to the core paper layer. During subsequent processing, the back of the product of the present invention does not need to be granulated after the process of edge sawing, so that the transverse tensile strength can be obviously improved, and the thickness can be obviously reduced; and the decorative surface material having a thickness of 0.25 mm can be produced. The manufacturing method of the present invention comprises the following steps of: preparing a special releasing agent, an impregnated core paper, an impregnated bottom paper, an impregnated decorative paper and an impregnated surface paper, assembling a blank and performing thermal pressing. During the thermal pressing, the bottom paper releasing layers of two groups of plate blanks are in direct contact with each other, and it is unnecessary to use an aluminum plate or a biaxially stretched PP thin film as an isolation material. As a result, the cost is saved, pavement is facilitated and quick, and the production efficiency is high; no waste is produced during the process. Thus, the environment pollution and energy consumption of subsequent treatment are reduced.

IPC 8 full level

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Citation (search report)

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